From the INTERNATIONAL BUREAU

NOTIFICATION OF TRANSMITTAL OF COPIES OF TRANSLATION OF THE INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OR CHAPTER II OF THE PATENT COOPERATION TREATY)

To:	
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MIYAGAWA, Teiji 6th Floor, Fuji Bldg. 19, Aizumi-cho Shinjuku-ku, Tokyo 1600005

(PCT Rules 44 <i>bis</i> .3(c) and 72.2)	JAPÓN	
Date of mailing (day/month/year) 02 March 2006 (02.03.2006) Applicant's or agent's file reference 04-804EB-PCT	IMPORTANT NOTIFICATION	
International application No. PCT/JP2004/004403	International filing date (day/month/year) 29 March 2004 (29.03.2004)	
Applicant EBARA CORPORATION et al		
1. Transmittal of the translation to the applicant.		
The International Bureau transmits herewith a copy of the patentability (Chapter I).	e English translation of the international preliminary report on	
The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).		
2. Transmittal of the copy of the translation to the designated or e	elected Offices.	
The International Bureau notifies the applicant that copies of that Offices requiring such translation:	translation have been transmitted to the following designated or elected	

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Yoshiko Kuwahara

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Facsimile No.+41 22 740 14 35 Form PCT/IB/338 (January 2004)

. PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 04-804EB-PCT	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/JP2004/004403	International filing date (day/month/year) 29 March 2004 (29.03.2004)	Priority date (day/month/year) 31 March 2003 (31.03.2003)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant EBARA CORPORATION			

1.	This international preliminary re International Searching Authorit	eport on patentability (Chapter I) is issued by the International Bureau on behalf of the ty under Rule 44 bis.1(a).	
2.	This REPORT consists of a total	l of 4 sheets, including this cover sheet.	
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.		
3.	This report contains indications	relating to the following items:	
•	Box No. I	Basis of the report	
	Box No. II	Priority	
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	
	Box No. IV	Lack of unity of invention	
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	
	Box No. VI	Certain documents cited	
	Box No. VII	Certain defects in the international application	
	Box No. VIII	Certain observations on the international application	
4.	The International Bureau will co not, except where the applicant r date (Rule 44bis .2).	ommunicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but makes an express request under Article 23(2), before the expiration of 30 months from the priority	
		Date of issuance of this report 22 February 2006 (22.02.2006)	

Authorized officer

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Yoshiko Kuwahara

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The International Bureau of WIPO 34, chemin des Colombettes

1211 Geneva 20, Switzerland

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHOR	ITY		alle.	
То:	•		PCT PCT	
		WI INTERNAT	RITTEN OPINION OF THE IONAL SEARCHING AUTHORITY	
_			(PCT Rule 43bis.1)	
		Date of mailing (day/month/year)		
			ACTION	
Applicant's or agent's file reference		FOR FURTHER	See paragraph 2 below	
04-804EB-PCT	International filing date	(day/month/yaar)	Priority date (day/month/year)	
International application No. PCT/JP2004/004403	29.03.2004	(aay/moniroyear)	31.03.2003	
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International Patent Classification (IPC) or both	national classification a	na IPC		
	•			
Applicant				
EBARA CORPORATION				
EDAIGE CONTOURIE			•	
This opinion contains indications rela	ting to the following item	is:		
Box No. I Basis of the	opinion			
Box No. II Priority				
Box No. III Non-establi	shment of opinion with re	gard to novelty, invent	ive step and industrial applicability	
Box No. IV Lack of unit	ty of invention	is.1(a)(i) with regard to novelty, inventive step or industrial ons supporting such statement		
Box No. V Reasoned st	atement under Rule 43bis, citations and explanation			
Box No. VI Certain doc	uments cited	•		
Box No. VII Certain defe	ects in the international ag	plication		
Box No. VIII Certain obs	ervations on the internation	onal application		
2 FURTHER ACTION				
International Preliminary Examining than this one to be the IPEA and the this International Searching Authority	Authority ("IPEA") except chosen IPEA has notified will not be so considered	of that this does not app d the International Bur i.	1 be considered to be a written opinion of the oly where the applicant chooses an Authority other eau under Rule 66.1 bis(b) that written opinions of	
If this opinion is as provided above	considered to be a writte	en opinion of the IPEA before the expiration	a, the applicant is invited to submit to the IPEA a of 3 months from the date of mailing of Forn expires later.	
For further options, see Form PCT/IS				
3. For further details, see notes to Form	PCT/ISA/220.			
Name and mailing address of the ISA/JP		Authorized officer		
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Facsimile No.		Telephone No.		

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/004403

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language which it the language of a translation furnished for the purposes of international search (under Rule 123 and 23.1(b)). 2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(s) related to the sequence listing b. format of material in written format in computer readable form c. time of filing/furnishing contained in the international application as filed. filed together with the international application in computer readable form. furnished autsequently to this Authority for the purposes of search. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed, as appropriate, were furnished. 4. Additional comments:	Bo	No. I	Basis of this opinion
which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)). 2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(s) related to the sequence listing b. format of material in computer readable form c. time of filing/furnishing contained in the international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	1.	With filed,	regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
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	4.	Addi	ional comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/004403

Во	x No. V	Reasoned statemer citations and expla	t under Ru nations su	ule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; pporting such statement	
1.	Statement	•			
	Novelty (N)	Claims	1-5	_ YES
			Claims		_ NO
	Inventive step (IS)		Claims	3	_ YES
				1, 2, 4, 5	_ NO
	· Industrial a	pplicability (IA)	Claims	1-5	YES
					_ NO
2.	Citations and e	•			
	Document			7 A (Mitsubishi Heavy Industries, Ltd.) 8 October 2002, 7; Figure 1 (Family: none)	
	Document	t 2: JP 51-9	0163 A	(Sumitomo Chemical Co., Ltd.) 7 August 1976, Claims & R 2300047 A	& DE
		t 3: JP 1-20 left colu none)	7187 A ımn, lin	(Kurita Water Industries Ltd.) 21 August 1989, Page 2, ues 16 to 20; page 2, lower left column, lines 4 to 7 (Family	ly:
	Document	t 4: JP 2001	-79590	A (Toshiba Corp.) 27 March 2001, Claims (Family: none	e)
	Document	5: JP 4-34	1388 A	(Shimizu Corp.) 27 November 1992, Claims (Family: no	ne)
	Document	t 6: JP 11-6	89 A (K	Turita Water Industries, Ltd.) 6 January 1999, Claims; col	umn
		1. lines	22 to 38	8 (Family: none)	

The inventions of claims 1, 2, 4 and 5 lack an inventive step.

Document 1 describes performing methane fermentation after an ozone treatment of organic waste such as livestock excrement, and this examination finds that the sulfur compounds contained in that organic waste are oxidized to molecular sulfur by the ozone treatment.

In addition, it is obvious to persons skilled in the art that ozone is harmful to microorganism such as methanogenic bacteria, etc. Therefore, this examination finds that persons skilled in the art can easily conceive of controlling the amount of ozone added when performing methane fermentation subsequent to ozone treatment so that the ozone will not flow into the methane fermentation tank.

Furthermore, this examination finds that establishing a means of measuring the amount of ozone that flows into the methane fermentation tank in such a process is simply a matter to be performed by persons skilled in the art as needed.

The invention of document 3 involves an inventive step.

The above documents neither describe nor suggest controlling the amount of oxidizing agent that is added by using as an indicator the hydrogen sulfide concentration in biogas that is generated in an aerobic treatment process step.